



PERC Pesticide Educational
Resources Collaborative

Pesticide Education Resources Collaborative (PERC)

Annual Work Plan

Year 5 of 5

January 1 – December 31, 2020

A Cooperative Agreement (#X8-83616301) between the US Environmental Protection Agency's Office of Pesticide Programs and University of California Davis Extension, in collaboration with Oregon State University

PERC supports the US Environmental Protection Agency (EPA)'s Strategic Goal 4: Ensuring the Safety of Chemicals and Preventing Pollution.

Submitted by:

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PERC is committed to submitting quarterly reports that compare anticipated outcomes with actual accomplishments, based on this annual work plan, as follows:

- 1st Quarter Report covering Jan-Mar 2020, due on April 30, 2020
- 2nd Quarter Report covering Apr-Jun 2020, due on July 31, 2020
- 3rd Quarter Report covering Jul-Sep 2020, due on October 31, 2020
- Annual report covering Jan-Dec 2020, due on January 31, 2021

Pesticide Educational Resources Collaborative (PERC)

Work Plan

Year 5 (January 1, 2020 – December 31, 2020)

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Part I. Activities for Three Objectives

1. Material Production

Objective 1: To manage or implement the development, revision and updating of pesticide safety materials to advance the protection of humans, communities, and ecosystems from pesticide illness and injury.

A. Engagement with stakeholders

Measure the number/nature of activities with broad engagement to identify needs and/or evaluate PERC materials.

- Q1: Focus on identifying current/future needs for pesticide safety materials. Generate a list of proposed projects using a web-based mechanism.
 - o Attend one or more regional events re: C&T needs assessment
 - o Attend AAPCO annual meeting, and/or other national/regional forum(s), promote PERC materials and solicit needs information
 - o Join/monitor WPS and C&T working group(s) to solicit needs information
 - o Take advantage of efficient opportunities to engage additional stakeholders
- Q1: Convene 1-3 Advisory Board meeting(s)
 - o Charge Advisory Board members with soliciting 'needs' information from their represented constituencies
 - o Publish a solicitation for Year 5 Advisory Board members, to be seated by March 31st
- Q2: Convene 1-3 Advisory Board meetings;
 - o Discuss state/regional needs; Induct Year 5 Advisory Board members
 - o Seek a time slot on the PACT and/or AAPSE workshop agendas or other national forum(s) to promote PERC materials and/or solicit needs information

- Q3: Convene 1-3 Advisory Board meetings; Attend the PACT workshop (up to 8 Advisory Board members with sponsored travel) to promote PERC materials, build relationships with potential SMEs, and/or solicit needs information;
 - o Convene a needs-assessment workshop (in person) to facilitate collaborative prioritization of resource needs, to include catering
- Q4: Convene 1-3 Advisory Board meetings; Take advantage of additional, efficient opportunities to engage with stakeholders; Attend one or more regional workshops/forums to promote PERC materials, build relationships with potential SMEs, and/or solicit needs information

B. Approval of Materials

Measure the number of pesticide safety materials 'green-lighted.'

- Q1: Evaluate all fast-track proposals within two weeks
- Q2: Evaluate all fast-track proposals within two weeks
- Q3: Evaluate all fast-track proposals within two weeks
- Q4: Finalize the list of green-lighted projects in 'annual wave 5,' applying PERC policies; Evaluate all fast-track proposals within two weeks, applying PERC policies

C. Policies/Procedures

Maintain and/or improve PERC policies/procedures

- Q1: Track the number of new and/or updated PERC policies/procedures
- Q2: Track the number of new and/or updated PERC policies/procedures
- Q3: Track the number of new and/or updated PERC policies/procedures
- Q4: Track the number of new and/or updated PERC policies/procedures

D. Technical and Professional Experts

Measure the number of capable subject matter experts and/or production professionals identified and/or contracted.

- Q1: Distribute solicitations for Year 5 Advisory Board member (seats); Track the number and nature of SMEs and/or production professionals retained.
- Q2: Finalize agreements with Year 5 Advisory Board members; Track the number and nature of SMEs and/or production professionals retained.
- Q3: Initiate solicitations for SMEs and/or production professionals after a scoping process for each Wave 5 material. Track the number and nature of people retained.
- Q4: Track the number and nature of SMEs and/or production professionals retained.

E. Planning time-bound Materials Development

Measure the number of time-bound project plans created and followed.

- Q1: Track the number of new and/or updated time-bound project plans
- Q2: Track the number of new and/or updated time-bound project plans
- Q3: Track the number of new and/or updated time-bound project plans
- Q4: Track the number of new and/or updated time-bound project plans;

F. Materials Development

Measure the number/nature of materials updated or created.

- Q1: Track the number of new and/or updated (completed) educational resources;
- Q2: Track the number of new and/or updated (completed) educational resources; Track the number of Wave 4 materials that may be incomplete by June 30th when Wave 5 will be initiated;
- Q3: Track the number of new and/or updated (completed) educational resources;
- Q4: Track the number of new and/or updated (completed) educational resources;

2. Implementation by Stakeholders

Objective 2: To enhance the capabilities of partners and stakeholders to develop and implement programs/activities that prevent and reduce pesticide risks to humans, communities, and ecosystems.

A. Materials for Modification & Transfer

Measure the percent of materials published in a modifiable formats.

- Q1-Q4: Make modifiable versions of new PERC materials available 100% of the time when produced in Adobe InDesign or the Microsoft Office Suite.

B. Inventory of Resources

Measure milestones in developing the inventory of existing resources.

- Q1-4: Maintain the inventory of training resources on the PERC website by adding new items as identified, removing outdated items as requested, and responding to stakeholder needs.

C. PERC Website

Measure milestones related to the PERC website.

- Q1-4: Maintain the PERC website, including the status page (quarterly)

D. Planning and Reporting

Measure the number of records/reports completed that could serve historical/planning functions.

- Q1-4: Quarterly reports will be submitted within 30 days of the quarter's closure, and will include: 1) A summary of expenditures, purchases, and other fiscal activities. 2) A side-by-side comparison of actual accomplishments versus projected accomplishments and 3) Proposed timelines/milestones.
- Q3: Summarize the results of needs assessment activities, archive the document online, in meeting minutes, or by other means (concurrent with annual approval of each wave of documents).
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E. Capacity-Building

Measure the number/nature of relationship- or capacity-building activities completed.

- Q1-4: Convene Advisory Board meetings in a way that builds community; Take advantage of efficient opportunities to engage with stakeholders, serving as a connection point for needs information and delivery of pesticide education resources, as agreed upon by co-investigators. These might include participation in work-groups, attending regional meetings, and/or contributing to PREP courses, among other things.

3. Access and Availability of Materials

Objective 3: To protect humans, communities and ecosystems from illness and injury caused by exposure to pesticides through education and outreach targeted toward agricultural workers, pesticide applicators, handlers, and others.

A. Plain Language and Literacy Levels

Measure the percent of new materials that comply with plain language and reading level targets.

- Q1-4: 100% of materials should meet goals appropriate for the identified target audience, which may include trainers (12th grade reading level), trained professionals (10th grade reading level), the general public (8th grade reading level) or other types of user groups. Occasionally, the time-sensitive nature of the resource may make reading-level modifications untenable.

B. Formats of Materials

Measure the number of resources duplicated in different formats, mediums, or languages.

- Q1-4: PERC and its project teams will evaluate the need to duplicate any materials produced, considering the potential need for indoor/outdoor settings, language needs, and/or visual representations. If one of these duplications is large in scope, it would have to be prioritized (green-lighted) by the Advisory Board, and a project plan created.

C. Material Format and Availability

Measure the number/nature of materials printed, mailed, added to the inventory, or posted online. This measure is dependent upon collaborative needs assessment and the extent to which the inventory is curtailed to avoid duplication of existing inventories.

- Q1-4: Summarize the items completed by PERC and through PERC collaborations, identifying the method of accessibility for stakeholders

D. Promotion of Materials

Measure the number/nature of outreach efforts to promote utilization of PERC resources.

- Q1-4: Present and discuss PERC materials/website as Advisory Board members engage with their respective constituencies

- Q1-4: Use an email distribution list or lists for individuals interested in WPS materials assembled and/or produced by PERC
- Q1-4: Take advantage of efficient opportunities to promote utilization of PERC resources, as agreed upon by co-investigators
- Q1: Promote PERC at the annual AAPCO meeting
- Q3: Promote PERC at the PACT workshop and/or AAPSE meeting.

Part II. Building on lessons from the past:

A. Collaborative Needs Assessment: PERC will emphasize relationship-building, active listening, and consensus-based approaches to keep stakeholders engaged. In addition, PERC will seek input from a wide range of stakeholders, including emphasis on potential end-users of the material(s).

B. Content Development and Production: PERC will apply lessons learned to maximize efficiency during material revisions by employing some or all of the following methods: 1) Limiting the number of 'rounds' of feedback incorporation; 2) Setting a threshold for acting on proposed revisions higher than one individual's suggestion; and 3) By making materials available in modifiable formats whenever possible.

C. Evaluation & improvement: Evaluation efforts must balance the need to maximize accuracy with the potential risk of 'paralysis by analysis.' PERC will apply lessons learned in evaluating other projects, including: 1) Requesting feedback early and often; 2) Guiding future efforts through evaluation; 3) Setting a threshold for the importance/amount of revisions that justify time investment(s) needed; and 4) Using digital and personal methods to collect feedback from targeted end users.

D. PERC website and Materials Inventory: PERC will act upon lessons learned by: 1) Maximizing the opportunities for the public to look for information in diverse ways to navigate the website (i.e. search box, organized drill-down); 2) Emphasizing relatable images and succinct bullet lists over lengthy paragraphs and illustrations; 3) Focusing on action-oriented content instead of descriptive narratives; and 4) Distilling complex information at an appropriate reading level for the target audience.

Part III. Quality Assurance Requirements (& how they will be met)

A. PERC website: The PERC website will be WC3 compliant, which facilitates access by web users with disabilities. An automated program will be used to identify broken links annually, followed by manual investigation to repair or replace those links.

B. PERC materials: Before submission for EPA review, PERC will ensure they meet targets related to reading level, professionalism, and accuracy.

Part IV. PERC's written competition policy and procedures for contracts, grants, and awards:

These policies and procedures were finalized in Year 2 and are included in PERC's operating Policy document posted to the website, <http://pesticideresources.org/AdoptedPERCPolicies.pdf>. PERC is committed to working closely with the Project Officer to ensure compliance with applicable federal policies and UCD procedures in the procurement of PERC personnel.

Part V. Budget:

Year 5 Budget: January 1 – December 31, 2020

Table A – Object Class Category (non-construction)		Total Approved Allowable Budget Period Costs
1. (b) (4)		(b) (4)
2. Fringe Benefits		\$52,836
3. Travel (UC and UC-employed Advisory Board members)		\$9,792
4. Equipment		\$0
5. Supplies		\$1,743
6. Contractual (subject matter experts in various media production)		\$273,730
7. Construction		\$0
8. Other		\$75,480
9. Other (exempt from indirect: \$130K OSU subaward, \$16,239 participant support costs for non-UC Advisory Board members)		\$151,239
10. Total Direct Charges		\$680,413
11. Indirect Costs – 50.00% of Base Modified Total Direct: \$529,174		\$264,587
12. Total (Share: Recipient: 2.00% Federal 98%)		\$945,000
13. Total Approved 5-year Assistance Amount		\$5,000,000
14. Program Income		\$0
15. Total EPA Amount Awarded This Action		\$945,000
16. Total EPA Amount Awarded to Date		\$5,000,000

Explanation of Costs for Selected Items, Project Year 2020

1. Personnel

Academic Coordinator 2 (b) (4)

(b) (4) lead role in administering the project activities. Serves as the Co-chair of the Advisory Board with a designated EPA Project Officer. Activities include, but are not limited to: serving as the primary liaison with the EPA Project Officer, sub-awardees, contractors, and support staff; planning, hosting, and documenting bimonthly meetings of the Advisory Board and any annual in-person gatherings; oversight of travel expense reimbursements, and negotiating with AAPSE/PACT leaders to coordinate agendas and meeting space; preparing and submitting quarterly, annual, and other reports as needed; solicit, select, hire, compensate, and monitor any contractors or subawards, working closely with EPA; house and disseminate any printed materials; coordinate timely delivery of project outputs. A provision for 3% salary increase has been included for July 1 - December 31, 2020. (b) (4)

Public Education Specialist 1 (TBD) – (b) (4)

assists the Project Administrator with planning, hosting, and documenting bimonthly

meetings of the Advisory Board; manages travel expenses, coordinates with AAPSE/PACT leaders to coordinate agendas and secure meeting space and all vendor contracts; assists in solicitation of subawards and manages agreement documents and assures timely processing of payments; assists in the dissemination of any printed materials or others; assist in coordinating timely delivery of project outputs. A provision for 3% salary increase has been included for July 1 - December 31, 2020. (b) (4)

[REDACTED]

[REDACTED]

2. Benefits

Benefits – the 38.5% and 53.1% benefit figures apply to personnel with full-time benefits. The rates are estimated at 38.5% (for the AC) and 53.1% (for the PES1) as of July 1, 2019. Benefit costs for all other required human resources (e.g., support units) are included under indirect cost assessment. Academic staff benefit rate of 38.5% and non-academic staff benefit rate of 53.2% were used for the first half of Project Year 2020 and 39.7% and 54.7% were used for the second half of Project Year 2020. These percentages reflect most currently available data.

(b) (4)

[REDACTED]

[REDACTED]

[REDACTED]

3. Travel

Staff & Advisory Board Members (UC employees)

Staff Travel and Subsistence – Transportation, lodging and daily meal expenses to bring the UCDE Project Administrator to two (2) national meetings annually to conduct in-person needs assessment workshops and/or represent PERC's mission. These are anticipated to coincide with AAPSE annual meetings, Pesticide Applicator Certification & Training (PACT) Workshops, AAPCO, or other well-attended national stakeholder gatherings in order to minimize costs while maximizing participation.

National Workshops/Forums

- [1 staff average airfare @ \$700] + [1 travel agent fee @ \$34] + [1 staff RT airport shuttle @ \$46] + [1 staff lodging at \$154 nightly plus 15% tax at 4 nights is \$708.40] + [1 staff average allowable travel expenses, e.g., mileage, tolls, parking, meals for 4 days is \$364] = \$1,852.40 per staff for one workshop
 - One staff will travel to two workshops/forums in Project Year 2020
 - \$1,852.40 per staff per workshop x 1 staff x 2 workshops is approximately \$3,704.80 in Project Year 2020

Staff Travel and Subsistence – Transportation, lodging and daily meal expenses to bring the UCDE Project Administrator, Public Education Specialist, and two (2) Advisory Board (AB) members (UC employees) to the annual Advisory Board meeting.

Annual Advisory Board Meeting

- (b) (4)
- [REDACTED]

(b) (4)

[Redacted]

Summary: Estimated total costs for two (2) staff and two (2) UC-employed Advisory Board members to attend various forums in Project Year 2020 is \$9,792.

4. Participant Support Costs (exempted from indirect calculation)

Advisory Board Members (non-UC employees, non-federal)

Advisory Board Travel and Subsistence – Transportation, lodging and daily meal expenses to bring up to ten (10) non-employee & non-federal Advisory Board members to the annual Advisory Board meeting.

Annual Advisory Board Meeting

- (b) (4)
- [Redacted]

Summary: Estimated total costs for ten (10) non-employee & non-federal Advisory Board members to attend the annual Advisory Board meeting Project Year 2020 is \$16,239.

5. Training / Workshop Supplies – training/workshop materials, software, Turning Point audience response system, flash drives and office supplies for up two (2) needs assessment workshops. Depending on the workshop format, these supplies include photocopying of project proposals for the Advisory Board's consider for the following project year, procurement of printed PERC resources as a means to evaluate their effectiveness, office supplies (e.g., pens, flash drives, paper folios). Total is \$743 in Project Year 2020.